

1980 Census of Population and Housing Tennessee Valley Authority Selected Housing Characteristics by Zip Code

D1-D80-TAHC-14-TECH

Note: This technical documentation was issued at same time as the corresponding data file and does not necessarily reflect changes to the data file that may have been made later. We offer it as a service to our customers who have purchased the file, but we do not in general offer technical support for past data files. Note that although the documentation may refer to data on tape, the U.S. Census Bureau no longer releases data on magnetic tape; customers purchasing files previously released on tape will receive the file in ASCII on CD-ROM. For information about this and other technical documentation, please contact the Customer Services Center at 301-763-INFO (4636).

Additionally, Census Bureau organization, telephone numbers, and staff cited in this technical documentation are not current. For updated information, see our Telephone Contacts site at <http://www.census.gov/contacts/www/contacts.html> or Staff Search at <http://www.census.gov/cgi-bin/main/email.cgi>.

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U.S. Department of
Commerce
Economic and Statistics
Administration
U.S. Census Bureau



Bob

RELEASE MEMO

Date: May 20, 1985

Date on Memo: May 15, 1985

Release Memorandum ID Code: 8531-SPTAB80TVANS-U001001

Title: Census of Population and Housing, 1980, Tennessee
Valley Authority (TVA) Selected Housing Tallies by ZIP Code
Project No. 7578-M, Special Tabulation

Comments: No embargo on file, per Wm Downs, Housing,
Downs is sending specs for purchaser's tape (with)
Attachment A describes tallies

Check after you have handled:

☒ Branch Secretary (CSB)

- Enter in log
- Make sure we have 3 copies of the release memo and 2 copies of this form.

6/6/85

☒ S&PB Computer Assistant

- o Make master/backup
- o Give Computer Tape Coordinator copy of memo, form and documentation printout.

☒ Information Sheet Coordinator (CSB)

☒ Branch Secretary (CSB)

- Check off log
- File

BPIP



2/13/11G

March 18, 1985

MEMORANDUM FOR Arthur F. Young
Chief, Housing Division

Michael G. Garland
Chief, Data User Services Division

From: Arnold A. Jackson *AAJ*
Chief, Decennial Operations Division

Subject: 1980 Decennial Census--Tennessee Valley Authority-ZIP
Code Tallies, Project Number 7578-00

This memorandum documents the user tape file being prepared for the Tennessee Valley Authority (TVA) special project. ~~Data User Services Division will copy this tape to the purchasers specifications.~~ The file has a block size of 32,736 bytes and a record (segment) size of 2,046 bytes. Each logical record (see attachment A) will be formatted as follows:

1. Record 1--252 characters of identification (Standard 1980 census user tape positions--See attachment B), 199 nine character data items, and 3 characters of padding. (Matrix 1-1 part)
2. Records 2 through 15--102 characters of identification (Same as first 102 characters of record 1 except for record sequence identification) and 216 nine character data items. (Matrix 1-1 part, 1-2, and 1-3 part)
3. Record 16--102 characters of identification (Same as first 102 characters of record except for record sequence identification), 145 nine character data items and 639 characters of padding. (Matrix 1-3 part, and 1-4)

The sequence of the file is ascending ZIP code within ascending FIPS state code. The content of the tape labels will be as shown in attachment C.

The treatment of tenure for this project with respect to data disclosure is not our normal '80 census method. If just two categories of tenure are shown, they are normally "Total Occupied" and "Renter Occupied" and if suppression occurs for either Owner or Renter Occupied then total is still shown but Renter is suppressed. For this project, only owner and renter are shown and if either one is suppressed then the other is also suppressed because of the rules for complementary suppression. It is our understanding that Housing Division has verified this situation with TVA and they prefer the owner and renter presentation to the total and renter presentation.

Attachments

cc:

Mr. Downs		(HOUS)
Ms. Pollock	(w/attachment)	
Mr. Williams	(w/attachment)	(DUSD)
Mr. Jackson		(DOD)
Mr. Lepage	(w/attachment)	
Mr. Goldman	(w/attachment)	
Mr. Thompson	(w/attachment)	
Ms. Severdia	(w/attachment)	
Ms. Banks	(w/attachment)	
Mr. Ball	(w/attachment)	



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

CSB

May 15, 1985

MEMORANDUM FOR Michael G. Garland *MG*
Chief, Data User Services Division
From: Arnold A. Jackson *Arnold A. Jackson*
Chief, Decennial Operations Division
Subject: 1980 Census--Tennessee Valley Authority (TVA)
Selected Housing Tallies, Project No. 7578-00

The Housing Division has cleared the production counts for the above project.

The master tape created for this project is in slot number 086852. Decennial Operations Division (DOD) issued documentation of this file earlier.

We request that Computer Services Division change the charges for this tape from DOD to Data User Services Division (DUSD).

The Housing Division will provide DUSD with the output tape specifications for creating the purchaser's tape.

Unless notified of any problems, we will blank the DOD backup files and programs for this project 120 days from the date of this memorandum.

cc:
Mr. Halterman (2) (CSVD)
Mr. Williams (DUSD)
Mr. Young (HOUS)
Mr. Downs
Mr. Bonnette
Ms. Pollock
Mr. Jackson (DOD)
Mr. Lepage
Ms. Bland
Mr. Thompson —
Ms. Severdia
Mr. Ball
Mr. Goldman

SL
[Signature]

[Handwritten signature]



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

MAY 17 1985

*User
Specs*

MEMORANDUM FOR Michael G. Garland
Chief, Data User Services Division

From: *afy* Arthur F. Young
Chief, Housing Division

Subject: Tennessee Valley Authority (TVA)--Special Tallies
Project No. 7578-00

In his letter of July 27, Mr. Camp specified a magnetic computer tape of 6250 BPI, unlabeled 9-track tape with maximum block size of less than 20,000 for the TVA IBM System. A copy of the letter is attached.

Attachment

cc:
Mr. Halterman (CSVD)
Ms. Barrett (DUSD)
Mr. Williams
Mr. Jackson (DOD)
Mr. Lepage
Mr. Goldman
Mr. Ball
Mr. Downs (HOUS)
Mr. Bonnette
Chron

HOUS:R.BONNETTE:hgr

Master 071098

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

403 Power Building

July 27, 1984

ATTACHMENT

Mr. Bill Downs
Housing Division
Bureau of Census
Washington, D.C. 20233

Dear Mr. Downs:

As indicated in our July 17 telephone conversation, the Tennessee Valley Authority is interested in acquiring two cost estimates for the purchase of a special 1980 Census tabulation tape.

The Forecasting and Statistical Analysis Section of the Division of Conservation and Energy Management is interested in purchasing a series of cross-tabulations of heating equipment type (TAB111) by air-conditioning type (TAB120), while controlling for five other variables. A series of cross-tabulation tables will be needed for each variation and combination of the controlling variables at each geographical level. A similar one-way frequency on primary water heating fuel (TAB114) is also needed. Each of the variables involved would require some collapsing of response categories. A sample cross-tabulation from TVA's residential data base is shown in Table 1 to illustrate how one of the census tabulations should look. Table 2 shows the original census variables' response categories and the revised response categories for the special tabulation.

We would like to receive special tabulation cost estimates based on two different geographical levels: (1) 1047 5-digit zip codes (Table 3) and (2) 201 counties (Table 4). The output is to be a magnetic computer tape with accompanying documentation. The tape should be 6250 BPI, unlabeled 9-track tape with a maximum block-size of less than 20,000 for use on TVA's IBM system.

If you or your staff have any questions about this request, please call me at FTS 858-6879.

Sincerely,

William A. Camp

William A. Camp
Forecasting and Statistical
Analysis Section

Enclosures

ATTACHMENT A

1980 CENSUS

Special Tabulation for TVA-ZIP Code Tallies

(External Version)

The four matrices identified on pages 1 - 6 comprise a logical record. There is one logical record for each specified state-ZIP summary level. Each logical record is composed of sixteen (16) 2,046 character physical record segments. Segment one (1) of 16 contains 252 characters of record identification as described in Attachment B. The first 102 characters of this record identification are repeated in each subsequent 15 segments. Characters 97-99 of the record identification identifies the segment sequence number within a logical record, for example, 2 of 16, 3 of 16, etc.

The data are specified in 9-character fields in the following manner:

Segment 1	252	characters of record identification
	199	9-character data fields
	3	characters of padding

Segments		
2 - 15	102	characters of record identification
	216	9-character data fields

Segment 16	102	characters of record identification
	145	9-character data fields
	639	characters of padding

Tabulation	1-1:	Segment 1 - Segment 13 (character 255)
------------	------	--

Tabulation	2-1:	Segment 13 (character 256) - Segment 16 (character 903)
------------	------	--

Tabulation	3-1:	Segment 16 (character 904) - (character 1389)
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Tabulation	4-1:	Segment 16 (character 1390) - (character 1407)
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SPECIAL TABULATIONS FOR TVA-ZIP CODE TALLIES
February 1, 1985

1

<u>Tabulations</u>	<u>Number of data items</u>
1-1. TENURE (2) BY UNITS IN STRUCTURE (3) BY HOUSE HEATING FUEL (8) BY HOUSEHOLD INCOME IN 1979 (3) BY AIR CONDITIONING (3) BY HEATING EQUIPMENT (6)	2,592
Universe: Occupied Housing Units	
Owner occupied:	
1 detached or attached:	
Utility gas:	
Less than \$10,000:	
Central system:	
Steam or hot water system	
Central warm-air furnace	
Electric heat pump	
Floor, wall, or pipeless furnace	
Other	
None	
1 or more individual room units:	
(Repeat Heating Equipment)	
None:	
(Repeat Heating Equipment)	
\$10,000 to \$29,999:	
(Repeat Air Conditioning By Heating Equipment)	
\$30,000 or more:	
(Repeat Air Conditioning By Heating Equipment)	
Bottled, tank, or LP gas:	
(Repeat Household Income In 1979 By Air Conditioning By Heating Equipment)	
Electricity:	
(Repeat Household Income In 1979 By Air Conditioning By Heating Equipment)	
Fuel oil, kerosene, etc.:	
(Repeat Household Income In 1979 By Air Conditioning By Heating Equipment)	
Coal or coke:	
(Repeat Household Income In 1979 By Air Conditioning By Heating Equipment)	
Wood:	
(Repeat Household Income In 1979 By Air Conditioning By Heating Equipment)	
Other fuel:	
(Repeat Household Income In 1979 By Air Conditioning By Heating Equipment)	

SPECIAL TABULATIONS FOR TVA-ZIP CODE TALLIES
February 1, 1985

2

Tabulations

Number of
data items

1-1. TENURE (2) BY UNITS IN STRUCTURE (3) BY HOUSE
HEATING FUEL (8) BY HOUSEHOLD INCOME IN 1979 (3)
BY AIR CONDITIONING (3) BY HEATING EQUIPMENT (6)
(Continued)

No fuel used:

(Repeat Household Income In 1979 By Air Conditioning
By Heating Equipment)

2 or more:

(Repeat House Heating Fuel By Household
Income In 1979 By Air Conditioning By
Heating Equipment)

Mobile home or trailer, etc.:

(Repeat House Heating Fuel By Household
Income In 1979 By Air Conditioning By
Heating Equipment)

Renter occupied:

(Repeat Units In Structure By House Heating Fuel By
Household Income In 1979 By Air Conditioning By
Heating Equipment)

SPECIAL TABULATIONS FOR TVA-ZIP CODE TALLIES
February 1, 1985

3

<u>Tabulations</u>	<u>Number of data items</u>
1-2. TENURE (2) BY UNITS IN STRUCTURE (3) BY HOUSE HEATING FUEL (8) BY HOUSEHOLD INCOME IN 1979 (3) BY WATER HEATING FUEL (5)	720

Universe: Occupied Housing Units

Owner occupied:

1 detached or attached:

Utility gas:

Less than \$10,000:

Utility gas

Electricity

Fuel oil, kerosene, etc.

Other

No fuel used

\$10,000 to \$29,999:

(Repeat Water Heating Fuel)

\$30,000 or more:

(Repeat Water Heating Fuel)

Bottled, tank, or LP gas:

(Repeat Household Income In 1979 By Water
Heating Fuel)

Electricity:

(Repeat Household Income In 1979 By Water
Heating Fuel)

Fuel oil, kerosene, etc.:

(Repeat Household Income In 1979 By Water
Heating Fuel)

Coal or coke:

(Repeat Household Income In 1979 By Water
Heating Fuel)

Wood:

(Repeat Household Income In 1979 By Water
Heating Fuel)

Other fuel:

(Repeat Household Income In 1979 By Water
Heating Fuel)

No fuel used:

(Repeat Household Income In 1979 By Water
Heating Fuel)

SPECIAL TABULATIONS FOR TVA-ZIP CODE TALLIES
February 1, 1985

4

Tabulations

Number of
data items

1-2. TENURE (2) BY UNITS IN STRUCTURE (3) BY HOUSE
HEATING FUEL (8) BY HOUSEHOLD INCOME IN 1979 (3)
BY WATER HEATING FUEL (5)
(Continued)

2 or more:

(Repeat House Heating Fuel By Household
Income In 1979 By Water Heating Fuel)

Mobile home or trailer, etc.:

(Repeat House Heating Fuel By Household
Income In 1979 By Water Heating Fuel)

Renter occupied:

(Repeat Units In Structure By House Heating
Fuel By Household Income In 1979 By Water
Heating Fuel)

SPECIAL TABULATIONS FOR TVA-ZIP CODE TALLIES
February 1, 1985

5

<u>Tabulations</u>	<u>Number of data items</u>
1-3. UNITS IN STRUCTURE (3) BY AIR CONDITIONING (3) BY HEATING EQUIPMENT (6)	54
Universe: Vacant Year-Round Housing Units	
1 detached or attached:	
Central system:	
Steam or hot water system	
Central warm-air furnace	
Electric heat pump	
Floor, wall or pipeless furnace	
Other	
None	
1 or more individual room units:	
(Repeat Heating Equipment)	
None:	
(Repeat Heating Equipment)	
2 or more:	
(Repeat Air Conditioning By Heating Equipment)	
Mobile home or trailer, etc.:	
(Repeat Air Conditioning By Heating Equipment)	

SPECIAL TABULATIONS FOR TVA-ZIP CODE TALLIES
February 1, 1985

6

Tabulations

Number of
data items

- 1-4. YEAR ROUND AND VACANT SEASONAL AND MIGRATORY
HOUSING UNITS (2)

2

Universe: Year Round And Vacant Seasonal And
Migratory Housing Units

Year-round housing units

Vacant seasonal and migratory housing units

ATTACHMENT B

GEOGRAPHIC COVERAGE WITHIN THE RECORD
SPECIAL TABULATIONS FOR TVA-ZIP CODE TALLIES

Field	Size	STATE/ZIP Code Area
FILE IDENTIFICATION	(5)	STF00
RECORD TYPE	(4)	TVAB
SUMMARY LEVEL (GEOGRAPHIC LEVEL)	(2)	35
URBAN AND RURAL COMPONENT	(2)	
INSIDE AND OUTSIDE SMSA'S COMPONENT	(2)	
RACE/SPANISH ORIGIN GROUP	(2)	
ANCESTRY GROUP	(3)	
BLOCKED PORTION INDICATOR	(1)	
FUNCTIONAL STATUS CODE	(1)	
SUBSTITUTION INDICATOR	(1)	
COUNTY-PART INDICATOR (NEW ENGLAND)	(1)	
POLITICAL/STATISTICAL AREA DESCRIPTION	(1)	
REGION	(1)	N
DIVISION	(1)	N
STATE	(2)	N
FEDERAL INFORMATION PROCESSING STANDARD (FIPS) STATE	(2)	N
FIPS STANDARD METROPOLITAN STATISTICAL AREA (SMSA)	(4)	
FIPS COUNTY	(3)	
MINOR CIVIL DIVISION/CENSUS COUNTY DIVISION (MCD/CCD)	(3)	
PLACE	(4)	
TRACT OR BLOCK NUMBERING AREA (BNA)	(6)	
BLOCK GROUP	(1)	
BLOCK	(3)	
PLACE - PART INDICATOR	(1)	
TRACT - PART INDICATOR	(1)	
BLOCK - PART INDICATOR	(1)	
ENUMERATION DISTRICT (ED) INDICATOR	(1)	
ED NUMBER	(4)	
ED SUFFIX	(1)	
FIPS STANDARD CONSOLIDATED STATISTICAL AREA (SCSA)	(2)	
URBANIZED AREA (UA)	(4)	
CONGRESSIONAL DISTRICT (CD)	(2)	
INDIAN RESERVATION/ALASKA NATIVE VILLAGE (ANV)	(3)	
MCD SEQUENCE NUMBER	(4)	
ZIP CODE	(5)	N
WARD	(2)	
STATE ECONOMIC AREA (SEA)	(2)	
ECONOMIC SUB-REGION (ESR)	(3)	
DISTRICT OFFICE	(4)	
RECORD SEQUENCE IDENTIFICATION	(6)	N

Field	Size	ZIP Code Area
SHSA SIZE	(1)	
UA TYPE	(1)	
UA SIZE	(1)	
PLACE DESCRIPTION	(1)	
PLACE SIZE	(2)	
EXTENDED CITY INDICATOR	(1)	
CENTRAL BUSINESS DISTRICT (CBD)	(1)	
MCD/CCD SIZE	(2)	
INDIAN SUBRESERVATION	(3)	
FIPS PLACE	(5)	
STANDARD FEDERAL ADMINISTRATIVE REGION (SFAR)	(2)	N
LONGITUDE	(7)	
LATITUDE	(6)	
LAND AREA	(9)	
AREA NAME	(60)	
SUPPRESSION FLAGS	(48)	N/b

A Alphabetic code
 N Numeric code
 A/N Alphanumeric code
 Blank Code not applicable and field contains blanks
 b Blank character

USER TAPE RECORD IDENTIFICATIONCHARACTER
LOCATIONDESCRIPTION

1-5	File identification
6-9	Record Type
10-11	Summary Level
12-30	Not used
31	Region
32	Division (First digit of State Code)
32-33	State
34-35	Federal Information Processing Standard (FIPS) State
38-82	Not used
83-87	5-digit ZIP code
88-96	Not used
97-102	Record Sequence Identification
103-120	Not used
121-122	Standard Federal Administrative Region (SFAR)
123-204	Not used
205	Suppression Flag 1
206-252	Not used

SUPPRESSION KEYAPPLICABLE MATRICES

1. Occupied housing units*

1-1, 1-2

No suppression

1-3, 1-4

*This suppression flag is set if either Owner-Occupied or Renter-Occupied Housing Units is 1 to 9.

1. Volume Label:*

where: TTTTTT = tape slot number.

HDRISTF77TVABXXAAXXCCTTTTTT000100017777778506369936500000000000000000000

CC = FIPS state code of first state

HDR2F327360204630

EUFI same as HDR1

EDF2 same as HDR2

*All labels are padded out to 80 characters with blanks.